

Overview:

Talent Programs at Microsoft Research Asia (MSRA)

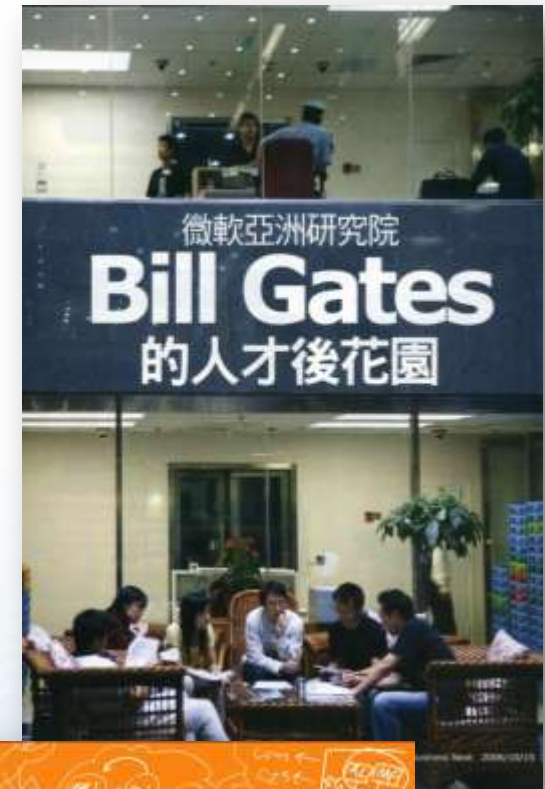
Lolan Song

Senior Director, University Relations

Microsoft Research Asia

Why MSRA Committed to Talent Fostering

- Nature of MSRA
 - Like a super-large CS/EE department
 - 100+ guest lectures at MSRA by WW visitors
 - MSRA researchers as guest professors in universities
- Importance of talent pipeline
 - High-quality talent is most critical to the lab's success
- Social Responsibilities
 - Contribute to research communities and to society



Talent Programs at MSRA

- For Young Faculty

- Young Visiting Faculty (StarTrack, est. 2006)
- New Faculty Award (est. 2009)



- For Graduate Students

- Fellowship (est. 1999)
- Internship (est. 1999)
- Joint Ph.D. supervision (est. 2002)



- For Undergraduate Students (Mainland China only)

- Young Fellowship (est. 2006)
- China C9 alliance (est. 2010)
- Student clubs (est. 1999)



Programs for New Faculty



Young Visiting Faculty

China, 2006

- ❑ Six-month visiting at MSRA
- ❑ Partnering with MSRA researchers.
- ❑ **30** young faculties from **12** universities

New Faculty Award Japan, 2009

“By working together, we believe we can cultivate a new generation of talented researchers that will extend Japan’s technological legacy well into this new century.”

—Makoto Nagao

Director of the National Diet Library of Japan

Chairman of the Microsoft Research Japan Faculty Award screening committee

New Faculty Award Korea, 2009

- ❑ KAIST-Microsoft Research Collaboration Center (KMCC)
- ❑ Two faculties received this award



Young-Kyung Lim accepts New Faculty Award from Microsoft Research Asia

Programs for Graduate Students

- Provide about 200 internship a year
- Since 1998, 3,500 interns from 160+ universities in 20+ countries
- Named by China Ministry of Education as “Talent Center”
- Produces “MIT-quality” students (commented by MIT professors)



World-class Horizon



Show Their Full Potential



Expert Mentoring

Programs for Undergraduate Students Mainland China Only



MSRA Young Fellowship Program

Scholarship to 150 Young Research Talents from special classes in Mainland China from 2006

Collaborating with China C9 alliance



30 Microsoft Student Technology Clubs in mainland China

Engaged with > 10,000 students participate in activities

2,000 student projects for real life problems

Unique Opportunities for Interns



Bill Gates commented on Interns' research work.



Tony Hoare dialogued with interns at MSRA.



Craig Mundie discussed the Future of Technology with interns at MSRA.

Fostering Interdisciplinary Talent



Bioinformatics

- Using GPU and cloud computing accelerate bioinformatics research
- Co-supervising interns with CS and bioinformatics background



Astronomy

- “Microsoft Cup” Universe Tour Design Contest using Microsoft WorldwideTelescope
- Other citizen science outreach programs



Science and Arts

- Applying computer vision and graphics to arts
 - 3D Chinese ink painting
 - Animation
- Students participated in joint projects with Palace Museum and Beijing Film Academy

Government Collaboration: With Korean Ministry of Education

- Korean MOE's great support
 - Joint Program since 2006
 - Management and financial Support
- Top universities send top students to MSRA
 - 37 interns in four years, 8 ~12 interns per year
 - Six-month's internship (September to following February)

"I really like the culture and atmosphere here: it's easy to just talk to anybody about anything. And I'm very satisfied with my research. "

Young-In, SONG

PhD of *Korea University* , Korea Intern of MSRA in 2006, Group Leader of 1st BK-21 interns
Associate Researcher in Natural Language Computing Group from July, 2009





Future Opportunities

Call for participation in

- Internship, Fellowship and New Faculty Award
- Curriculum development
- Research Collaboration
- Academic exchanges



Work together

- to explore new win-win programs and models
- to identify opportunities to generate positive impact



Microsoft Research Asia
Faculty Summit 2010

October 18-19, 2010 Shanghai, China

Thank You!

